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Date Submitted: November 5, 2004

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Application Number 09/695,067

Filing Date 10/25/2000

First Named Inventor Tadashi EMORI

Group Art Unit 2655

Examiner Name M. N. Opsasnick

Attorney Docket Number 071671-0156

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
MMO	A1	TADASHI EMORI KOICHI SHINODA, Vocal Tract Length Normalization Using Rapid Maximum-Likelihood Estimation for speech Recognition, pages 49-54	

Examiner
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M. N. Opsasnick

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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APPLICANT

Tadashi EMORI, et al.

FILING DATE

10/25/2000

GROUP ART UNIT

2641

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
<i>mv</i>	A1	5,625,747	04/29/97	Goldberg et al.	395	2.52	

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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
<i>mv</i>	A2	0 866 442 A2	09/23/98	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>mv</i>	A3	S. Umesh et al., "Frequency-Warping and Speaker-Normalization," <u>IEEE International Conference on Acoustics, Speech and Signal Processing</u> , vol. 2, pgs. 983-986, Munich, Germany, (1997), © 1997 IEEE.
<i>mv</i>	A4	L. Lee et al., "A Frequency Warping Approach to Speaker Normalization," <u>IEEE Transactions on Speech and Audio Processing</u> , vol. 6, pgs. 49-60, (1998), © 1998 IEEE.
<i>mv</i>	A5	T. Fukada et al., "Speaker Normalized Acoustic Modeling Based on 3-D Viterbi Decoding," <u>IEEE Conference</u> , vol. 23., Pgs., 437-440, (1998), © 1998 IEEE.

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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
<i>mo</i>	A1	6-214596	8/94	JAPAN	 			Abst.
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>My</i>	A2	P. Zhan et al., "Speaker Normalization Based on Frequency Warping", 1997 IEEE, (Literature 2), pp. 1039-1042.						
<i>↑</i>	A3	"Fundamentals of Voice Recognition", Part I, translated and edited by Yoshii, NTT Advanced Technology Co., Ltd., (Literature 3), pp. 62-63, 1995 (Japanese document with English translation).						
<i>↓</i>	A4	A. V. Oppenheim et al., "Discrete Representation of Signals", Proceedings of IEEE, Vol. 60:6, (Literature 4), pp. 681-691, 1972.						
<i>mo</i>	A5	"Fundamentals of Voice Recognition", (Part II), translated and edited by Furui, NTT Advanced Technology Co., Ltd., (Literature 5), pp. 102-185, 1995 (Japanese document with English translation).						
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